1026 BRIT.ORG/SIDA 22(2)

## BOOK NOTICE

Sabeeha Merchant, Winslow R. Briggs, and Vicki L. Chandler (eds). 2006. **Annual Review of Plant Biology: Volume 57, 2006**. (ISBN 0-8243-0657-0, hbk; ISSN 1040-2519). Annual Reviews Inc., 4139 El Camino Way, P.O. Box 10139, Palo Alto, CA 94303-0139, U.S.A. (**Orders:** www.AnnualReviews.org, 800-523-8635, 650-493-4400, 650-424-0910 fax; onlineactivation@annualreviews.org). \$212.00 (USA), 934 pp., 7.3/8"  $\times 9.1/4$ ".

Contents of Volume 57 of Annual Review of Plant Biology:

Looking At Life: From Binoculars to the Electron Microscope

MicroRNAs and their Regulatory Roles in Plants

Chlorophyll Degradation During Senescence

Quantitative Fluorescence Microscopy: From Art to Science

Control of the Actin Cytoskeleton in Plant Cell Growth

Responding to Color: The Regulation of Complementary Chromatic Adaptation

Seasonal Control of Tuberization in Potato: Conserved Elements with the Flowering Response

Laser Microdissection of Plant Tissue: What You See Is What You Get

Integrative Plant Biology: Role of Phloem Long-Distance Macromolecular Trafficking

The role of Root Exudates in Rhizosphere Interactions with Plants and Other Organisms

Genetics of Meiotic Prophase I in Plants

Biology and Biochemistry of Glucosinolates

Bioinformatics and its Applications in Plant Biology

Leaf Hydraulics

Plant Uncoupling Mitochondrial Proteins

Genetics and Biochemistry of Seed Flavonoids

Cytokinins: Activity, Biosynthesis, and Translocation

Global Studies of Cell Type-Specific Gene Expression in Plants

Mechanism of Leaf-Shape Determination

Mosses as Model Systems for the Study of Metabolism and Development

Structure and Function of Photosystems I and II

Glycosyltransferases of Lipophilic Small Molecules

Protein Degradation Machineries in Plastids

Molybdenum Cofactor Biosynthesis and Molybdenum Enzymes

Peptide Hormones in Plants

Sugar sensing and Signaling in Plants: Conserved and Novel Mechanisms

Vitamin Synthesis in Plants: Tocopherols and Carotenoids

Plastid-to-Nucleus Retrograde Signaling

The Genetics and Biochemistry of Floral Pigments

Transcriptional Regulatory Networks in Cellular Responses and Tolerance to Dehydration and Cold Stresses

Pyrimidine and Purine Biosynthesis and Degradation in Plants

Phytochrome Structure and Signaling Mechanisms

Microtubule Dynamics and Organization in the Plant Cortical Array